Su-Jong Jeong

List of Publications by Year in Descending Order

73 papers	2,331 citations	23 h-index	47 g-index
86 ext. papers	3,054 ext. citations	8.4 avg, IF	5.29 L-index

#	Paper	IF	Citations
73	Unexpected Urban Methane Hotspots Captured from Aircraft Observations. *ACS Earth and Space Chemistry*, **2022**, 6, 755-765	3.2	
72	The size of the land carbon sink in China.. *Nature*, **2022**, 603, E7-E9	50.4	5
71	Different responses of surface freeze and thaw phenology changes to warming among Arctic permafrost types. *Remote Sensing of Environment*, **2022**, 272, 112956	13.2	0
70	Improved calibration procedures for the EM27/SUN spectrometers of the COllaborative Carbon Column Observing Network (COCCON). *Atmospheric Measurement Techniques*, **2022**, 15, 2433-2463	4	0
69	Spatiotemporal variations in urban CO flux with land-use types in Seoul.. *Carbon Balance and Management*, **2022**, 17, 3	3.6	0
68	Direct radiative forcing of biomass burning aerosols from the extensive Australian wildfires in 2019–2020. *Environmental Research Letters*, **2021**, 16, 044041	6.2	8
67	Role of Groundwater in Sustaining Northern Himalayan Rivers. *Geophysical Research Letters*, **2021**, 48, e2020GL092354	4.9	8
66	Standardizing thermal contrast among local climate zones at a continental scale: Implications for cool neighborhoods. *Building and Environment*, **2021**, 197, 107878	6.5	1
65	Evaluation of the Potential Use of Satellite-Derived XCO2 in Detecting CO2 Enhancement in Megacities with Limited Ground Observations: A Case Study in Seoul Using Orbiting Carbon Observatory-2. *Asia-Pacific Journal of Atmospheric Sciences*, **2021**, 57, 289-299	2.1	8
64	Challenges in Monitoring Atmospheric CO2 Concentrations in Seoul Using Low-Cost Sensors. *Asia-Pacific Journal of Atmospheric Sciences*, **2021**, 57, 547-553	2.1	4
63	Toward a comprehensive understanding of global vegetation CO assimilation from space. *Global Change Biology*, **2021**, 27, 1141-1143	11.4	2
62	An assessment of emission characteristics of Northern Hemisphere cities using spaceborne observations of CO2, CO, and NO2. *Remote Sensing of Environment*, **2021**, 254, 112246	13.2	8
61	Deforestation-induced warming over tropical mountain regions regulated by elevation. *Nature Geoscience*, **2021**, 14, 23-29	18.3	20
60	Foraging trip duration of honeybee increases during a poor air quality episode and the increase persists thereafter. *Ecology and Evolution*, **2021**, 11, 1492-1500	2.8	2
59	Global irrigation contribution to wheat and maize yield. *Nature Communications*, **2021**, 12, 1235	17.4	11
58	Leaf area index in Earth system models: how the key variable of vegetation seasonality works in climate projections. *Environmental Research Letters*, **2021**, 16, 034027	6.2	3
57	Effects of extreme temperature on China's tea production. *Environmental Research Letters*, **2021**, 16, 044040	6.2	5

56	Potential role of urban forest in removing PM2.5: A case study in Seoul by deep learning with satellite data. *Urban Climate*, **2021**, 36, 100795	6.8	5
55	Contributions of economic growth, terrestrial sinks, and atmospheric transport to the increasing atmospheric CO concentrations over the Korean Peninsula. *Carbon Balance and Management*, **2021**, 16, 22	3.6	0
54	Reduction in urban atmospheric CO enhancement in Seoul, South Korea, resulting from social distancing policies during the COVID-19 pandemic. *Atmospheric Pollution Research*, **2021**, 12, 101176	4.5	1
53	Lessons from COVID-19 and Seoul: Effects of Reduced Human Activity from Social Distancing on Urban CO2 Concentration and Air Quality. *Aerosol and Air Quality Research*, **2021**, 21, 200376	4.6	5
52	Enhanced regional terrestrial carbon uptake over Korea revealed by atmospheric CO measurements from 1999 to 2017. *Global Change Biology*, **2020**, 26, 3368-3383	11.4	3
51	Evaluation of Different Roof Materials for the Mitigation of Urban Warming in a Subtropical Monsoon Climate. *Journal of Geophysical Research D: Atmospheres*, **2020**, 125, e2019JD031972	4.4	
50	Extensive fires in southeastern Siberian permafrost linked to preceding Arctic Oscillation. *Science Advances*, **2020**, 6, eaax3308	14.3	29
49	Population ageing determines changes in heat vulnerability to future warming. *Environmental Research Letters*, **2020**, 15, 114043	6.2	3
48	A Dipole Mode of Spring Precipitation between Southern China and Southeast Asia Associated with the Eastern and Central Pacific Types of ENSO. *Journal of Climate*, **2020**, 33, 10097-10111	4.4	3
47	The effect of particulate matter on solar photovoltaic power generation over the Republic of Korea. *Environmental Research Letters*, **2020**, 15, 084004	6.2	10
46	Emergence of significant soil moisture depletion in the near future. *Environmental Research Letters*, **2020**, 15, 124048	6.2	6
45	Exposure to cold temperature affects the spring phenology of Alaskan deciduous vegetation types. *Environmental Research Letters*, **2020**, 15, 025006	6.2	3
44	Co-benefit potential of urban CO2 and air quality monitoring: A study on the first mobile campaign and building monitoring experiments in Seoul during the winter. *Atmospheric Pollution Research*, **2020**, 11, 1963-1970	4.5	4
43	Improved mapping and change detection of the start of the crop growing season in the US Corn Belt from long-term AVHRR NDVI. *Agricultural and Forest Meteorology*, **2020**, 294, 108143	5.8	10
42	Accelerated rate of vegetation green-up related to warming at northern high latitudes. *Global Change Biology*, **2020**, 26, 6190-6202	11.4	12
41	Urbanization has stronger impacts than regional climate change on wind stilling: a lesson from South Korea. *Environmental Research Letters*, **2020**, 15, 054016	6.2	5
40	Working towards confident spaceborne monitoring of carbon emissions from cities using Orbiting Carbon Observatory-2. *Remote Sensing of Environment*, **2019**, 233, 111359	13.2	14
39	A missing component of Arctic warming: black carbon from gas flaring. *Environmental Research Letters*, **2019**, 14, 094011	6.2	4

38	Inequal Responses of Drylands to Radiative Forcing Geoengineering Methods. *Geophysical Research Letters*, **2019**, 46, 14011-14020	4.9	2
37	Role of Local Air-Sea Interaction in Fire Activity Over Equatorial Asia. *Geophysical Research Letters*, **2019**, 46, 14789-14797	4.9	4
36	Impact of urbanization on spring and autumn phenology of deciduous trees in the Seoul Capital Area, South Korea. *International Journal of Biometeorology*, **2019**, 63, 627-637	3.7	9
35	Characterization of Wildfire-Induced Aerosol Emissions From the Maritime Continent Peatland and Central African Dry Savannah with MISR and CALIPSO Aerosol Products. *Journal of Geophysical Research D: Atmospheres*, **2018**, 123, 3116-3125	4.4	5
34	Irrigation enhances local warming with greater nocturnal warming effects than daytime cooling effects. *Environmental Research Letters*, **2018**, 13, 024005	6.2	24
33	Shifting the urban heat island clock in a megacity: a case study of Hong Kong. *Environmental Research Letters*, **2018**, 13, 014014	6.2	17
32	Keeping global warming within 1.5 ℃ constrains emergence of aridification. *Nature Climate Change*, **2018**, 8, 70-74	21.4	96
31	Influence of winter precipitation on spring phenology in boreal forests. *Global Change Biology*, **2018**, 24, 5176-5187	11.4	29
30	Accelerating rates of Arctic carbon cycling revealed by long-term atmospheric CO measurements. *Science Advances*, **2018**, 4, eaao1167	14.3	40
29	Slowdown of spring green-up advancements in boreal forests. *Remote Sensing of Environment*, **2018**, 217, 191-202	13.2	25
28	Vegetation-cloud feedbacks to future vegetation changes in the Arctic regions. *Climate Dynamics*, **2018**, 50, 3745-3755	4.2	7
27	Intercomparison of Terrestrial Carbon Fluxes and Carbon Use Efficiency Simulated by CMIP5 Earth System Models. *Asia-Pacific Journal of Atmospheric Sciences*, **2018**, 54, 145-163	2.1	9
26	Climatic influence on corn sowing date in the Midwestern United States. *International Journal of Climatology*, **2017**, 37, 1595-1602	3.5	13
25	Weakening temperature control on the interannual variations of spring carbon uptake across northern lands. *Nature Climate Change*, **2017**, 7, 359-363	21.4	107
24	Application of satellite solar-induced chlorophyll fluorescence to understanding large-scale variations in vegetation phenology and function over northern high latitude forests. *Remote Sensing of Environment*, **2017**, 190, 178-187	13.2	100
23	Spatial and temporal changes in leaf coloring date of Acer palmatum and Ginkgo biloba in response to temperature increases in South Korea. *PLoS ONE*, **2017**, 12, e0174390	3.7	11
22	Intensification of terrestrial carbon cycle related to El Niño-Southern Oscillation under greenhouse warming. *Nature Communications*, **2017**, 8, 1674	17.4	23
21	Reduced North American terrestrial primary productivity linked to anomalous Arctic warming. *Nature Geoscience*, **2017**, 10, 572-576	18.3	37

20	Regional Variations in Potential Plant Habitat Changes in Response to Multiple Global Warming Scenarios*. *Journal of Climate*, **2015**, 28, 2884-2899	4.4	7
19	Leaf onset in the northern hemisphere triggered by daytime temperature. *Nature Communications*, **2015**, 6, 6911	17.4	261
18	Arctic greening can cause earlier seasonality of Arctic amplification. *Geophysical Research Letters*, **2015**, 42, 536-541	4.9	15
17	Nonlinear response of vegetation green-up to local temperature variations in temperate and boreal forests in the Northern Hemisphere. *Remote Sensing of Environment*, **2015**, 165, 100-108	13.2	42
16	Unexpected role of winter precipitation in determining heat requirement for spring vegetation green-up at northern middle and high latitudes. *Global Change Biology*, **2014**, 20, 3743-55	11.4	122
15	Deriving Vegetation Phenological Time and Trajectory Information Over Africa Using SEVIRI Daily LAI. *IEEE Transactions on Geoscience and Remote Sensing*, **2014**, 52, 1113-1130	8.1	35
14	Macroscale prediction of autumn leaf coloration throughout the continental United States. *Global Ecology and Biogeography*, **2014**, 23, 1245-1254	6.1	62
13	Effects of double cropping on summer climate of the North China Plain and neighbouring regions. *Nature Climate Change*, **2014**, 4, 615-619	21.4	64
12	Predicting changes in temperate forest budburst using continental-scale observations and models. *Geophysical Research Letters*, **2013**, 40, 359-364	4.9	51
11	Effects of seasonal variation of photosynthetic capacity on the carbon fluxes of a temperate deciduous forest. *Journal of Geophysical Research G: Biogeosciences*, **2013**, 118, 1703-1714	3.7	35
10	Satellite data-based phenological evaluation of the nationwide reforestation of South Korea. *PLoS ONE*, **2013**, 8, e58900	3.7	18
9	Uncertainties in terrestrial carbon budgets related to spring phenology. *Journal of Geophysical Research*, **2012**, 117,		68
8	The potential of vegetation feedback to alleviate climate aridity over the United States associated with a 2□CO2 climate condition. *Climate Dynamics*, **2012**, 38, 1489-1500	4.2	8
7	Phenology shifts at start vs. end of growing season in temperate vegetation over the Northern Hemisphere for the period 1982□2008. *Global Change Biology*, **2011**, 17, 2385-2399	11.4	617
6	Impact of vegetation feedback on the temperature and its diurnal range over the Northern Hemisphere during summer in a 2 □CO2 climate. *Climate Dynamics*, **2011**, 37, 821-833	4.2	40
5	Reduction of spring warming over East Asia associated with vegetation feedback. *Geophysical Research Letters*, **2009**, 36,	4.9	49
4	Increase in vegetation greenness and decrease in springtime warming over east Asia. *Geophysical Research Letters*, **2009**, 36, n/a-n/a	4.9	67
3	Finding the Missing Link in Methane Emission Inventories Using Aircraft and Mobile Observations. *Asia-Pacific Journal of Atmospheric Sciences*,1	2.1	1

2	Regional and Species Variations in Spring and Autumn Phenology of 25 Temperate Species in South Korea. *Asia-Pacific Journal of Atmospheric Sciences*,1	2.1	
1	A Simple Method of Predicting Autumn Leaf Coloring Date Using Machine Learning with Spring Leaf Unfolding Date. *Asia-Pacific Journal of Atmospheric Sciences*,1	2.1	O